

Nov. 23
Work Order ID 76320

76320

Page 1

November-09-11 8:31:15 AM

Item ID: D350-607-545

Accept

N9000040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Heli-Utility-Basket

Start Date: 09/11/2011 Start Qty: 1.00

1

Cust Item ID:

Required Date: 23/11/2011 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLS Date: 11/11/09

Tooling: _____ Date: _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____

Date: _____

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D350-607-3

A

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPPD350-607-545 CHG002

Sululis

11-11-17

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

****Mask label plate to size of D4086 label, use scotchbrite red pad to lightly sand area for label, apply label ****

11-11-17

115

QC5- Inspect part completeness to step on W/O

0.00

115

QC

Memo

0.00

Quality Control

Inspect label on lid

u l u l i s

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 76320

76320

Page 2

November-09-11 8:31:15 AM

Item ID: D350-607-545

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Item Name: Heli-Utility-Basket

Stop ***NS2***

Start Date: 09/11/2011 Start Qty: 1.00

1

Cust Item ID:

Required Date: 23/11/2011 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									
130	Pick Kit	0.00							
130									
Packaging	Memo	0.00							
Packaging	Package as per PPPD350-607-545								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

Subuluz

SP

SP 11-11-18

Reo A

11/11/21

MEF 11-11-21

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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76320

D350-607-545

Start Date: 09/11/2011**Required Date:** 23/11/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 10-06-28 JLM VERIFIED BY: LL IPP REV:B
10-08-19 AS PER REV.A DD VERF BY:EC IPP Rev:C 11.02.09
add to install label DD verf by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D350-607-511 *D350-607-511* Quick Release Basket Mounting Installation		Manufactured	No			110	Each	0.0000	1	1			
D2690-6 *D2690-6* Lanyard Assembly		Manufactured	No			110	Each	28.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST020				28					
				73324				8					
				74515				20					
D3912-041 *D3912-041* Eyebolt Receiver Assembly		Manufactured	No			110	Each	3.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				st507				3					
				75184				3					
D4032-041 *D4032-041* Short Basket Assembly (350)		Manufactured	No			110	Each	0.0000	1	1			
D4085-3 *D4085-3* Placard, Instructions		Manufactured	No			110	Each	6.0000	1	1			
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST122				6					
				71518				6					

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

November-09-11 8:31:19 AM

Work Order ID: 76320

76320

Parent Item: D350-607-545

D350-607-545

Parent Item Name: Heli-Utility-Basket

Start Date: 09/11/2011

Required Date: 23/11/2011

Start Qty: 1.00

Required Qty: 1.00

D4086-220

Manufactured No

110 Each

11.0000

1 1

**

D4086-220

Placard, Max Load

Location

Loc Qty

Loc Code

ST122

11

58309

1

69500

10

1x

D4151-041

Manufactured No

110 Each

2.0000

1 1

**

D4151-041

Basket Fwd Hardpoint Assembly, Lower

Location

Loc Qty

Loc Code

GA

2

75238

2

1x

D4151-043

Manufactured No

110 Each

5.0000

1 1

**

D4151-043

Basket Fwd Hardpoint Assembly, Upper

Location

Loc Qty

Loc Code

ST134

5

71156

2

73562

3

1x

D4150-041

Manufactured No

110 Each

3.0000

1 1

**

D4150-041

Attachment Arm Assembly

Location

Loc Qty

Loc Code

ST134

3

75239

3

1x

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Picklist Print

November-09-11 8:31:19 AM

Page 3

Work Order ID: 76320

76320

Parent Item: D350-607-545

D350-607-545

Parent Item Name: Heli-Utility-Basket

Start Date: 09/11/2011

Required Date: 23/11/2011

Start Qty: 1.00

Required Qty: 1.00

AN4-13A
AN4-13A
Bolt

Purchased No 110 Each 1,291.000 6 6
**

SP

Location	Loc Qty	Loc Code
ST357	1291	
118078	283	
118706	8	
118838	500	
119449	500	

6x

AN4C15
AN4C15
BOLT

Purchased No 110 Each 24.0000 1 1
**

SP

Location	Loc Qty	Loc Code
ST358	24	
118652	14	
119531	10	

1x

AN310C4
AN310C4
Nut

Purchased No 110 Each 50.0000 1 1
**

SP 11-11-18

Location	Loc Qty	Loc Code
ST324	25	
118090	5	
118626	20	
ST344	25	
119324	25	

1x

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Picklist Print

November-09-11 8:31:20 AM

Work Order ID: 76320

76320

Parent Item: D350-607-545

D350-607-545

Parent Item Name: Heli-Utility-Basket

Start Date: 09/11/2011

Required Date: 23/11/2011

Start Qty: 1.00

Required Qty: 1.00

MS17984-C413

Purchased

No

110

Each

11.0000

1 1

**

SP

MS17984-C413

PIN, QUICK RELEASE

Location

Loc Qty

Loc Code

ST315

11

114340

1

118612

2

119307

8

110

Each

12,520.00

6 6

**

SP

MS21042L4

Purchased

No

MS21042L4

Nut

Location

Loc Qty

Loc Code

ST300

1520

117441

51

117601

532

118451

133

118927

804

ST516

6000

119017

6000

ST518

5000

119075

5000

110

Each

374.0000

1 1

**

SP 11-11-17

MS24665-151

Purchased

No

MS24665-151

Cotter Pin

Location

Loc Qty

Loc Code

ST309

374

17566

374

1X

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Picklist Print

November-09-11 8:31:20 AM

Work Order ID: 76320

76320

Parent Item: D350-607-545

D350-607-545

Parent Item Name: Heli-Utility-Basket

Start Date: 09/11/2011

Required Date: 23/11/2011

Start Qty: 1.00

Required Qty: 1.00

NAS1515H4L

Purchased

No

110

Each

198.0000

2 2

*NAS1515H4I *

WASHER

**

SP

Location

Loc Qty

Loc Code

FG

8

103691

8

ST277

190

118709

190

110

Each

240.0000

12 12

**

SP 11-11-17

NAS1149F0432P

Purchased

No

NAS1149F0432P

Washer

Location

Loc Qty

Loc Code

ST275

40

119109

40

ST294

200

119307

200

110

Each

1,402.000

3 3

**

SP 11-11-17

NAS1149C0463R

Purchased

No

NAS1149C0463R

Washer

Location

Loc Qty

Loc Code

FP-B

1

115358

1

ST297

1401

117735

401

119097

1000

3x

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

REFERENCE ONLY

DART AEROSPACE LTD.

D350-607-3
Page 17 of 19

4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D350-607-541 (Standard Basket)	80.7 lb 36.6 kg	± 49.1 in ± 1.25 m	± 3962 in-lb ± 45.8 m-kg	135 in 3.43 m	10895 in-lb 125.5 m-kg
D350-607-543 (Lightweight Basket)	65.7 lb 29.8 kg	± 49.1 in ± 1.25 m	± 3226 in-lb ± 37.3 m-kg	135 in 3.43 m	8870 in-lb 102.2 m-kg
D350-607-545 (Standard Basket)	58.7 lb 26.2 kg	± 49.1 in ± 1.25m	± 2882 in-lb ± 32.8 m-kg	135 in 3.43 m	7925 in-lb 89.9 m-kg
D350-607-547 (Lightweight Basket)	47.7 lb 21.6 kg	± 49.1 in ± 1.25 m	± 2342 in-lb ± 27.0 m-kg	135 in 3.43 m	6440 in-lb 74.1 m-kg
D350-607-511 (Quick Release Basket Mounting Kit)	7.2 lb 3.3 kg	± 36.9 in ± 0.94 m	± 266 in-lb ± 3.1 m-kg	135 in 3.43 m	972 in-lb 11.3 m-kg

5.0 PARTS LIST

QTY -541	QTY -543	QTY -545	QTY -547	QTY -511	QTY -501	PART NUMBER	DESCRIPTION
X						D350-607-541	HELI-UTILITY-BASKET
	X					D350-607-543	HELI-UTILITY-BASKET
		X				D350-607-545	HELI-UTILITY-BASKET
			X			D350-607-547	HELI-UTILITY-BASKET
1	1	1	1	X		D350-607-511	QUICK RELEASE BASKET MOUNTING KIT
					X	D350-607-501	CONVERSION KIT
1	1	1	1		1	D2690-6	LANYARD
				4	4	D3910-3	X-TUBE LUG
1	1	1	1		1	D3912-041	EYEBOLT RECEIVER ASSY
				8	8	D3984-030	RUBBER EXTRUSION, X-TUBE
1						D4030-041	LONG BASKET ASSY
	1					D4030-043	LONG BASKET ASSY, LIGHTWEIGHT
		1				D4032-041	SHORT BASKET ASSY
			1			D4032-043	SHORT BASKET ASSY, LIGHTWEIGHT
1	1	1	1		1	D4085-3	PLACARD-INSTRUCTIONS
1					1	D4086-200	PLACARD, MAX LOAD
	1				1	D4086-215	PLACARD, MAX LOAD
		1			1	D4086-220	PLACARD, MAX LOAD
			1		1	D4086-232	PLACARD, MAX LOAD
				1	1	D4148-041	FWD X-TUBE LUG ASSY
				1	1	D4149-041	AFT X-TUBE LUG ASSY
1	1	1	1		1	D4150-041	ATTACHMENT ARM ASSY
1	1	1	1		1	D4151-041	BASKET FWD HARDPOINT ASSY (LOWER)
1	1	1	1		1	D4151-043	BASKET FWD HARDPOINT ASSY (UPPER)
6	6	6	6		6	AN4-13A	BOLT
				16	16	AN4-14A	BOLT
1	1	1	1		1	AN4C15	BOLT
1	1	1	1		1	AN310C4	CASTELLATED NUT
1	1	1	1		1	MS17984-C413	QUICK RELEASE PIN
6	6	6	6	16	22	MS21042L4	NUT (OR MS21042-4)
1	1	1	1		1	MS24665-151	COTTER PIN
2	2	2	2		2	NAS1515H4L	WASHER
12	12	12	12	32	44	NAS1149F0432P	WASHER
3	3	3	3		3	NAS1149C0463R	WASHER

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Date: 10.06.28